BRUHATH BANGALORE MAHANAGARA PALIKE
EXECUTIVE ENGINEER, DASARAHALLI DIVISION

Name of the Work : Annual Maintenance and Re-Asphalting of Shettyhalli Railway Gate to Abbigere Main Road and Surrounding area in Ward No.12 Shettyhalli Sub Division.

DRAFT TENDER SCHEDULE (DTS)

Sl No	Description of Item	Unit	Quantity	Rate in Rs. In Fig	Rate in Rs. In Words
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 as per Engineer In Charge	Cum	671.22		
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. as per Engineer In Charge	Cum	119.63		
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200, including cost of materials, labour, HOM complete as per specifications. do- Wall & bottom thickness 15cm as per Engineer In Charge	Cum	236.84		
4	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work TMT bars Fe500 including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. as per Engineer In Charge	Tonne	14.21		

No of corrections = Nil

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Item No.	Description of Item	Unit	Quantity	Rate	Amount in Rs.
11	Providing and laying cement concrete (1:2:4) (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size) in retaining walls, return walls, walls (any thickness), including centering and shuttering, including propping etc., in edges of walls, walls (any thickness), including bending and binding reinforcement, including leaving holes, openings, etc., complete as per Engineer in Charge's direction.	Sqm	1652.00		
12	Providing and laying cement concrete (1:2:4) (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size) in roof slab laid on un-dressing stone masonry (in cement mortar) including finishing with cement plaster 1:4 (1 cement : 4 fine sand) 12 mm thick, including curing, complete as per Engineer in Charge's direction.	Sqm	1652.00		
13	Providing and laying cement concrete (1:2:4) (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size) in roof slab laid on un-dressing stone masonry (in cement mortar) including finishing with cement plaster 1:4 (1 cement : 4 fine sand) 12 mm thick, including curing, complete as per Engineer in Charge.	Sqm	1652.00		
14	Providing and laying cement concrete (1:2:4) (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size) in roof slab laid on un-dressing stone masonry (in cement mortar) including finishing with cement plaster 1:4 (1 cement : 4 fine sand) 12 mm thick, including curing, complete as per Engineer in Charge.	Sqm	1652.00		
15	Providing and laying cement concrete (1:2:4) (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size) in roof slab laid on un-dressing stone masonry (in cement mortar) including finishing with cement plaster 1:4 (1 cement : 4 fine sand) 12 mm thick, including curing, complete as per Engineer in Charge.	Sqm	1652.00		

No of corrections nil

Sl No	Description of Item	Unit	Quantity	Rate in Rs.	
				In Fig	In Words
11	0400 Stone dust / Grit 4.75 mm to 0.075 mm as per Engineer In Charge	m	272.88		
12	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision. as per Engineer In Charge	Cum	391.65		
13	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 as per Engineer In Charge	Cum	668.12		
14	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. Clause 502 of MORTH V revision as per Engineer In Charge	Sqm	5205.60		
15	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications. Clause 501 of MORTH V revision as per Engineer In Charge	Sqm	7666.70		
6	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications. Clause 503 of MORTH V revision as per Engineer In Charge	Sqm	10815.30		

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Sl No	Description of Item	Unit	Quantity	Ra	
				In Fig	
17	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 505 of MORTH V revision - do - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen as per Engineer In Charge	Cum	540.77		
18	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. – do – using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) as per Engineer In Charge	Cum	432.61		
19	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 as per Engineer In Charge	Sqm	461.75		

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ಮುಖ್ಯ ಅಭಿಯಂತರರು (ದಾಸರಹಳ್ಳಿ)

Executive Engineer
Dasarahalli Division
BBMP

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